

ABSTRACT

DISK DRIVE WITH CONTROLLED PITCH STATIC ATTITUDE OF SLIDERS ON INTEGRATED LEAD SUSPENSIONS BY IMPROVED PLASTIC DEFORMATION PROCESSING

[0060] The pitch static attitude of a slider in an integrated lead suspension head gimbal assembly of a disk drive is controlled at the manufacturing stage. The integrated lead suspension includes a load beam, a mount plate, a hinge and a flexure made out of a multi-layer material. The flexure legs and the outrigger leads are simultaneously plastically deformed to define the pitch static attitude. The flexure legs and the outrigger leads are deformed at approximately the same longitudinal location.